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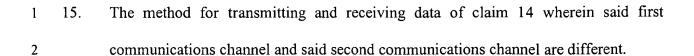
4.

Having thus described our invention, what we claim as new, and desire to secure by Letters Patent is:

A method for transmitting data in unused portions of licensed communication 2 channels comprising: 3 selecting an unused first portion of a first licensed communication channel, configuring a transmitter to operate in said unused first portion, and 5 transmitting downstream digital data using a transmitting antenna operating on said first portion. 6 1 2. The method of transmitting data of claim 1 further comprising: selecting an unused second portion of a second licensed communication channel, 2 configuring an upstream downconverter to operate in said unused second portion, 3 4 and receiving upstream digital data using a receiving antenna operating on said 5 6 unused second portion. 3. 1 The method of transmitting data of claim 2 wherein said first communications channel and said second communications channel are different. 2

	1	5.	The method of transmitting data of claim 1 further comprising enabling a subscriber
	2		to select a method of transmitting upstream data from using the unused second
	3		portion, using a cable connection, and using a wired connection.
	1	6.	The method of transmitting data of claim 1 wherein said transmitting antenna
	2		comprises an array of transmitting antennae.
	1	7.	A method for receiving data in unused portions of licensed communication channels
	2		comprising:
	3		selecting an unused first portion of a first licensed communication channel,
	4		configuring an upstream downconverter to operate in said unused first portion,
	5		and
	6		receiving upstream digital data using a receiving antenna operating on said first
	7		portion.
	1	8.	The method for receiving data of claim 7 further comprising the steps of:
	2		selecting an unused second portion of a second licensed communication channel,
	3		configuring a transmitter to operate in said unused second portion, and
	4		transmitting downstream digital data using a transmitting antenna operating on
	5		said unused second portion.
	1	9.	The method for receiving data of claim 8 wherein said first communications channel
	2		and said second communications channel are different

1	10.	The method for receiving data of claim 7 further comprising enabling a subscriber to
2		select a method of transmitting upstream data from using the unused first portion,
3		using a cable connection, and using a wired connection.
1	11.	The method for receiving data of claim 7 wherein said upstream digital data is
2		selected from a group consisting of telephony signals, high-speed data, digital video
3		signals and DTV signals.
1	12.	The method for receiving data of claim 7 wherein said receiving antenna comprises
2		an array of receiving antennae.
1	13.	The method for receiving data of claim 7 wherein said transmitting antenna comprises
2		an array of transmitting antennae.
1	14.	A method for transmitting and receiving data in unused portions of licensed
2		communication channels comprising:
3		selecting an unused first portion of a first licensed communication channel,
4		configuring a transmitter to operate in the said unused first portion,
5		transmitting downstream digital data using a transmitting antenna operating on
6		said first portion,
7		selecting an unused second portion of a second licensed communication channel,
8		configuring an upstream downconverter to operate in the said unused second
9		portion, and
10		receiving upstream digital data using a receiving antenna operating on said
1 1		unused second nortion



- 1 16. The method for receiving and receiving data of claim 14 further comprising enabling
 2 a subscriber to select a method of transmitting upstream data from using the unused
 3 second portion, using a cable connection, and using a wired connection.
- The method for transmitting and receiving data of claim 14 wherein said downstream digital data and said up stream digital data is selected from a group consisting of telephony signals, high-speed data, digital video signals and DTV signals.
- 1 18. The method for transmitting and receiving data of claim 14 wherein said receiving antenna comprises an array of receiving antennae.
- 1 19. The method for transmitting and receiving data of claim 14 wherein said transmitting antenna comprises an array of transmitting antennae.